

STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM

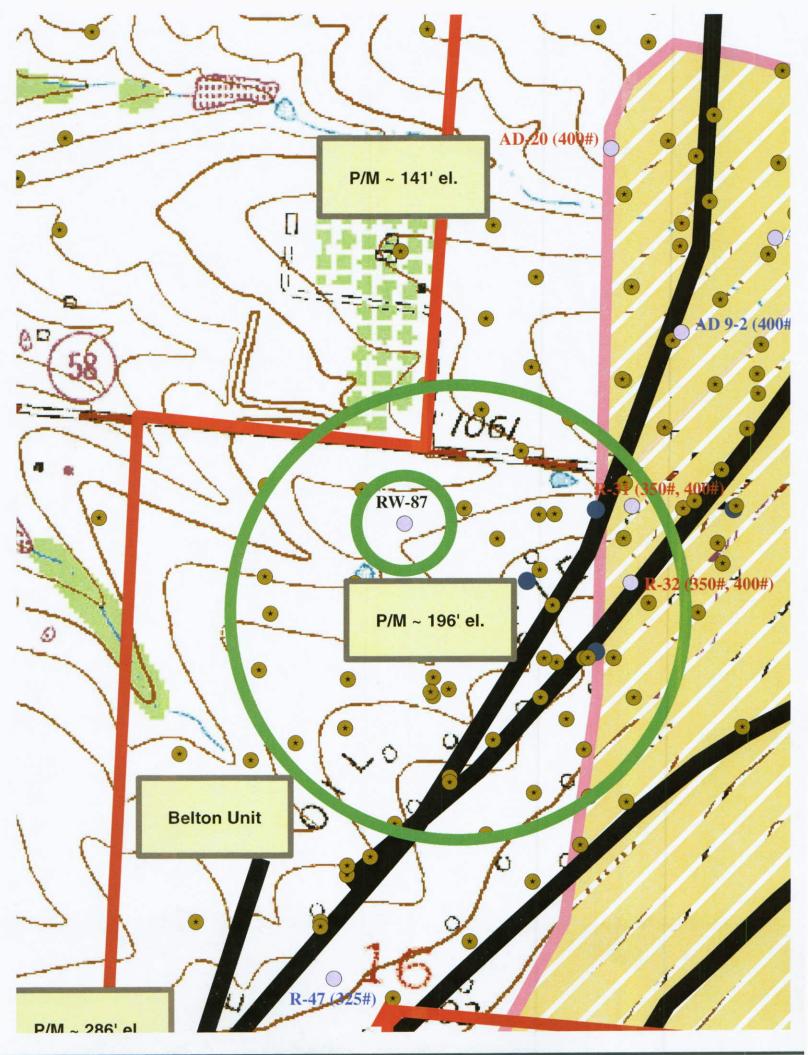
INJECTION WELL PERMIT APPLICATION

(TO DRILL, DEEPEN, PLUG BACK, OR CONVERT AN EXISTING WELL)

NOTE ▶	Permit approval for or reviewed and official	Irilling only, not inje notification given.	ction. Approva	or denial for i	njection determine	ed after Mech	anical Integ	grity Test r	esults	
☑ APPLIC	CATION TO DRILL	☐ DEEPEN	☐ PLU	G BACK	☐ FOR AN	OIL WELL		R GAS V	VELL	
	PANY OR OPERATOR	THE WAY AND	au.			DATE				
STREET, STREET	ource Exploration &	Development, LLC	>				9/2012			
ADDRESS				CITY		STAT	A40	COAO		
	th Street, Suite 500			Overland Pa	ark	KS	6	6210	THE SALE	
DESCRIPT NAME OF LEAS	ION OF WELL AND	LEASE		WELL NUMBER		FLEV	ATION (GRO	UND		8
Belton Unit				RW-87		106		0110		
WELL LOCATIO	N.		(GIVE FOOTAG	SE FROM SECTION	W LINES)	100.				-
112222001110	5110	ft. from North		/	ft. from 🛭 East [7 West section	n line			
WELL LOCATIO		it. iioiii 🔛 ivoitii 💆	South Section III	LATITUDE ,	LONGITUDE	/ COU		(3-2-		
Alt	ownship 46 North	Range 33 □ Fa	ast 🗸 West	N38 48' 58.42	1" W94 34' 35.	225" Cas	s 03	7		1
	TANCE FROM PROPOS			ELINE 348	FEET J		1	SPE	CIAL	-
	OM PROPOSED LOCAT					THE SAME LE	4 SE 9	FEET PO	POSECT	/
PROPOSED OF			ONTRACTOR, NAME		D-FOR WELL ON	THE SAME LEA	TOL		K WILL START	
650 feet 41		Utah Oil, I	TC				08/20/2	2012		
NUMBER OF AC	DEC INLLEACE	D 05 W5 U 0 0 W 1 5 4 0	E INOLLIDADO TU	ICINELL COM	N ETED IN OR DRIV	LING TO THE	DECEBYO	n 124		-
560	V.1440.000	R OF WELLS ON LEAS			PLETED IN OR DRIL	LING TO THIS	RESERVUI	RIZT		
500	NUMBE	R OF ABANDONED WE	LLS ON LEASE) 						_
IF LEASE PUF	RCHASED WITH ONE OF	MORE WELLS DRILLE	D, FROM WHOM	PURCHASED?		NO. OF WEL	LS PR	ODUCING	71	
NAME DE E	xploration							NJECTION	44	
ADDRESS 4	595 Highway K33, V	Vellsville, KS 66092	2					INACTIVE	8	
ADDITEOU			***					ANDONED	0	_
STAT	US OF BOND	☐ SINGLE WELL			BLANKET BOND	00 /	100	ON FILE	-	
	THIS IS AN APPLICATION TO	AMOUNT \$	BDIEEL V DESCRIBE	A WORK TO BE D	MOUNT \$ 160,0	T PRODUCING/II		ATTACHE		
	PROPOSED CA	ASING PROGRAM			PROVED CASING -			TE GEOLO		
AMOUNT	SIZE	WT/FT	CEM.	AMOUI	NT SIZ	E	WT/FT		CEM.	_
20'	7"	14	8 sks	20	<i>t</i>		14		lenath	_
650'	2 7/8"	6.5	100 sks	650	23/8		6.5	roll	Pergir	-
										-
report, and	rsigned, state that I a that this report was the best of my know	prepared under my								
SIGNATURE	*					DATE	10/11	0/12		
PERMIT NUMBE	70001		☑ DRILLER'S LO	G REQUIRED	3	E-LOGS REQ	UIRED IF RU	JN		
APPROVED DAT	20776		CORE ANALY	SIS REQUIRED	IF RUN	DRILL SYSTE	M TEST INF	O REQUIR	ED IF RUN	
APPROVED DAT	12-20-		☐ SAMPLES REG		_					
APPROVED BY	1 1	M	SAMPLES NO							
APPROVED BY	rech U.	/ /W.	WATER SAMP	LES REQUIRE	DAT					
7	1	TRANSFERANCE	TO ANY OT	IED DEDGO	N OD TO ANY	OTHERLO	CATION	ADDDO	VAL OF	
NOTE >	THIS PERMIT NOT THIS PERMIT BY MERITS OF THE F	THE OIL AND GAS	COUNCIL DO	DES NOT CO	ONSTITUTE EN	DORSEME	NT OF TH	IE GEOL	OGIC	

ONE (1) COPY WILL BE RETURNED.

DRILLER'S SIGNATURE	DATE
B. Well	10/9/12
PROPOSED OPERATIONS DATA	
PROPOSED AVERAGE DAILY INJECTION	PRESSURE 300 PSIG, RATE .035 BPD GPM VOLUME 50 BBL GAL
APPROVED AVERAGE DAILY INJECTION TO BE FILLED IN BY STATE GEOLOGIST	
PROPOSED MAXIMUM DAILY INJECTION	PRESSURE 300 PSIG, RATE .035 BPD GPM VOLUME 50 BBD GAL
APPROVED MAXIMUM DAILY INJECTION TO BE FILLED IN BY STATE GEOLOGIST	700 035
ESTIMATED FRACTURE PRESSURE GRADIEN	
DESCRIBE THE SOURCE OF THE INJECTION F	LUID Squirrel sandstone produced water and rural water
	ANALYSIS OF THE INJECTION FLUID. (SUBMIT ON SEPARATE SHEET)
DESCRIBE THE COMPATIBILITY OF THE PROF SOLIDS COMPARISONS	OSED INJECTION FLUID WITH THAT OF THE RECEIVING FORMATIONS, INCLUDIUNG TOTAL DISSOLVED
njection fluids consist of recycled forma	tion water and nesh water.
GIVE AN ACCURATE DESCRIPTION OF THE IN AND PERMEABILITY. The upper, middle, and lower Squirrel S Gquirrel is generally 30 feet thick with 2 Jenerally 20 feet thick with 22% average	JECTION ZONE INCLUDING LITHOLOGIC DESCRIPTIONS, GEOLOGIC NAME, THICKNESS, DEPTH, POROSITY fandstone depth ranges from 500-600 feet with an average thickness of 90 feet. The upper 1% average porosity and 172 millidarcy's average permeability. The middle Squirrel is the porosity and 1,000 millidarcy's average permeability. The lower Squirrel is generally 40 feet.
AND PERMEABILITY. The upper, middle, and lower Squirrel Squirrel is generally 30 feet thick with 2 generally 20 feet thick with 22% average thick with 20.5% average porosity and solve an ACCURATE DESCRIPTION OF THE CAND PERMEABILITY. The confining layers of the Squirrel Sample of the Squirrel Sa	JECTION ZONE INCLUDING LITHOLOGIC DESCRIPTIONS, GEOLOGIC NAME, THICKNESS, DEPTH, POROSITY fandstone depth ranges from 500-600 feet with an average thickness of 90 feet. The upper 1% average porosity and 172 millidarcy's average permeability. The middle Squirrel is the porosity and 1,000 millidarcy's average permeability. The lower Squirrel is generally 40 feet.



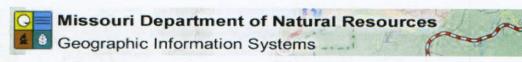


STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM INJECTION WELL LOCATION PLAT

RECEIVED

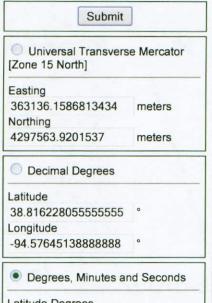
AUG 06 2012

OWNER'S NAME	mant II C (K D E D)	Mo Oil &	Gas Council
Kansas Resource Exploration & Developr	nent, LLC (K.R.E.D)	on a	L COUNTY
Belton Unit - RW-87			Cass
WELL LOCATION	(GIVE FOOTAGE FROM		
5110 ft. from Nortl	h 🛮 South section line	2752 ft. from 🗸 Eas	t West section line
Sec. 16 Township 46 North Range	33 🗆 🗆 🗖 Wa		
LATITUDE NORTH Range	33 ☐ East ☑ Wes	LONGITUDE	
N38° 48' 58.421" /		W94° 34' 35.225"	/
		PW-39-1348	
		91	7
		1 2r	V-87
		1 1	
N.I.			
N -			
		, I	
Λ _		Be	Iton Unit
A			
1			
3 /			
•			
Λ			
			Clark-Berry
-			
		/	
REMARKS	or than one equare mile	5/10	
Section 16 is an irregular section and larg	er triari one square mile.	0110	
Plat Map Scale - 1 Square = 682.25 feet	4		
Special Project	4 /		
INSTRUCTIONS		This is to certify that I have	e executed a survey to accurately accordance with 10 CSR 50-2.030 and
On the above plat, show distance of the p	proposed well from the	that the results are correct	accordance with 10 CSR 50-2.030 and the above plat.
two nearest section lines, the nearest lea	se line, and from the		
nearest well on the same lease complete same reservoir. Do not confuse survey li			
See rule 10 CSR 50-2.030 for survey req			
must be marked.			
REGISTERED LAND SURVEY			NUMBER



Check Location

Select a coordinate format, enter a pair of coordinates in the boxes below it, and then press the SUBMIT button. Please be patient while your information is retrieved. Your coordinates will be converted to the other formats, the information on the right-hand side of the page will be filled in based on your coordinates, and a map will be generated. NOTE: All coordinates must use the North American Datum of 1983 (NAD83).



UTM Zone 15N [Easting, Northing]	[363136.1, 4297563.9] meters
Decimal Degrees [Lat, Lon]	[38.816228°, -94.576452°]
Deg, Min, Sec [Lat, Lon]	[38° 48' 58.4", -94° 34' 35.2"]
County Name	Cass
County FIPS Code	037
Legal Description	Section 16 T46N R33W
Municipality	NO VALUE
House District	123
Senate District	31
Congressional District	5
MoDNR Region	Kansas City Regional Office
USGS 1:24,000 Quadrangle	Belton [38094-G5]
8 Digit Watershed	10300101 [Lower Missouri-Crooked]
10 Digit Watershed	1030010101 [Blue River]
12 Digit Watershed	103001010104 [Camp Branch-Blue River]
Special Well Drilling Area	Area 2
Ecological Drainage Unit	Central Plains/Blackwater/Lamine
Level III Ecoregion	Central Irregular Plains
Query Time	5.235 s

Latitude Degrees

38
Latitude Minutes

48
Latitude Seconds

58.421
Longitude Degrees

-94
Longitude Minutes

34
Longitude Seconds

35.225

Rows with red text indicate that the input location is too close to a boundary to produce reliable results.

NOTE: A result of 'NO VALUE' is usually an indication that no data was found for the location. For example, not every point in Missouri will lie within a municipal boundary, so some will result in a 'NO VALUE'. If 'County Name' results in 'NO VALUE', your point probably lies outside the state.

Well ID: #005390 Elev. 1069' P.: 229' day. P.-M: 345'

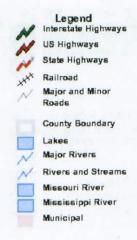
Well 10: #026255 in lease

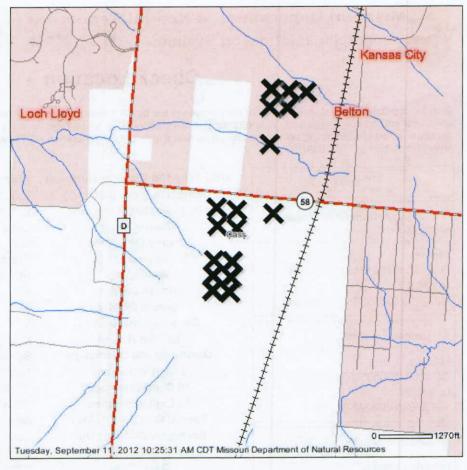
Pc: 535' TD

1063 - 535 - 345 $\Rightarrow \frac{P}{M} \sim 183' \text{ elev.}$

Metadata

- Interstate Highways
- US Highways
- State Highways
- Railroad
- · Major and Minor Roads
- County Boundary
- Lakes
- Major Rivers
- Rivers and Streams
- Missouri River
- Mississippi River
- Municipal





View Scale 1:24,000

DISCLAIMER: Although this map has been compiled by the Missouri Department of Natural Resources, no warranty, expressed or implied, is made by the department as to the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the department in the use of these data or related materials.



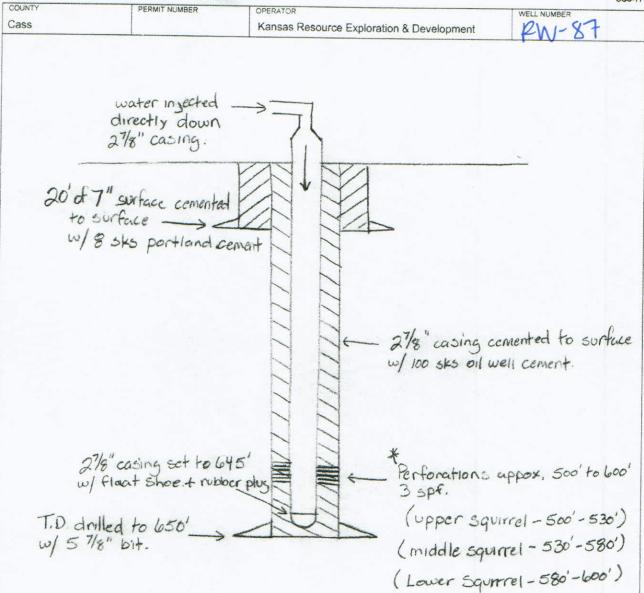
P.O. Box 176, Jefferson City, MO 65102 800-361-4827 / 573-751-3443 E-mail: contact@dnr.mo.gov



STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM

INJECTION WELL SCHEMATIC

OGC-11



INSTRUCTIONS ON THE ABOVE SPACE DRAW A NEAT, ACCURATE SCHEMATIC DIAGRAM OF THE APPLICANT INJECTION WELL, INCUDING THE FOLLOWING: CONFIGURATION OF WELLHEAD, TOTAL DEPTH OR PLUG BACK TOTAL DEPTH, DEPTH OF ALL INJECTION OR DISPOSAL INTERVALS, AND THEIR FORMATION NAMES, LITHOLOGY OF ALL FORMATIONS PENETRATED, DEPTHS OF THE TOPS AND BOTTOMS OF ALL CASING AND TUBING, SIZE AND GRADE OF ALL CASING AND TUBING, AND THE TYPE AND DEPTH OF PACKER, DEPTH, LOCATION, AND TYPE OF ALL CEMENT, DEPTH OF ALL PERFORATIONS AND SQUEEZE JOBS, AND GEOLOGIC NAME AND DEPTH TO BOTTOM OF ALL UNDERGROUND SOURCES OF DRINKING WATER WHICH MAY BE AFFECTED BY THE INJECTION. USE BACK IF ADDITIONAL SPACE IS NEEDED, OR ATTACH SHEET.

The surface casing is 7" in diameter and is new, limited service grade pipe. The 7" is drifted and tested to 7,000 lbs. and weighs at least 17 lbs. per foot. The surface casing will be set to a minimum depth of 20 feet and extend 6 inches above the surface. Approximately 8 sacks of Portland cement will be circulated to surface and will secure the well and ensure the contents of the well bore are sealed off from sources of drinking water. The production casing used is 2 7/8" EUE upset, drifted and tested to 7,000 lbs. No tubing will be ran in the injection wells, the injection fluid will be injected directly down the 2 7/8" casing. The total depth of the well will be approximately 650 feet drilled with a 5 5/8" bit. A 2 7/8" flapper type float shoe will be set at the base of the 2 7/8" casing pipe (645 feet) with centralizers installed to center the casing inside the well bore for better cement bonding. The 2 7/8" casing will be cemented from 650 feet to surface using a 2 7/8" rubber plug for displacing the cement. Approximately 100 sacks of high-grade Oil Well cement will be used to cement all wells. This cement will ensure that no contents of the pipe will leave the well bore. The top of the 2 7/8" casing will extend approximately one foot above ground level. After the cement has cured and effectively bonded to the 2 7/8" casing, perforations will be made in the Squirrel Sandstone formation from approximately 500-600 feet, depending on where the oil sand is present at this particular location. Wells will be shot with 3 perforations per foot where the squirrel sandstone oil reservoir is present and capable of water injection. No water sources are present at this depth and will not be affected by these perforations or the injection. The relevant sources of drinking water are located less than 20 feet below surface. The 7" surface pipe and durable Portland cement ensures these water sources will remain free from contamination from drilling and injection activity. Other sources of potential usable water may be present, however not always potable, in the Pennsylvanian and Mississippian formations located approximately 150 feet or deeper below the base of the Squirrel Sandstone.

The lithology of all formations penetrated by the wellbore are as follows:

Formation	Total Depth (feet)
Soil	0-2
Clay	2 – 6
Lime	6 – 28
Shale	28 – 49
Lime	49 – 64
Shale	64 – 69
Red Bed	69 – 78
Shale	78 – 82

Lime	82 – 87	
Shale	87 – 105	
Gray Sand	105 – 124	
Shale	124 – 128	
Lime	128 – 130	
Shale	130 – 147	
Lime	147 – 177	
Shale (Slate 183 – 184)	177 – 186	
Lime	186 – 204	
Shale (Slate 207 – 208)	204 – 209	
Lime	209 – 211	
Shale	211 – 214	
Lime "Hertha"	214 – 220	Top Pawnee Limestone
Shale	220 – 259	
Lime	259 – 260	*
Gray Sand "Knobtown"	260 – 262	
Shale	262 – 324	
Gray Sand	324 – 329	
Shale	329 – 358	
Gray Sand	358 – 362	Base Pawnee Limestone
Shale	362 – 399	Top Labette Shale
Lime	399 – 401	
Shale	401 – 404	
Lime	404 – 406	
Shale (Slate 411 – 412)	406 – 417	
Lime	417 – 424	
Shale	424 – 427	
Gray Sand	427 – 431	Base Labette Shale

Shale	431 – 443	Top Fort Scott
Lime	443 – 448	· BlackJack Creek Limestone
Shale (Slate 452 – 453)	448 – 469	Summit Coal
Gray Sand	469 – 471	Base Fort Scott
Sdy. Shale	471 – 501	
Very laminated Sand	501 – 502	Top - Squirrel Sandstone
Sandy Lime	502 – 503	, square surfactorie
Slightly lamin. Sand	503 – 504	
Sandy Lime	504 – 505	
Solid Sand	505 – 506.5	
Shale	506.5 – 507	
Slightly lamin. Sand	507 – 507.5	
Sandy Shale	507.5 - 509.5	
Solid Sand	509.5 - 510.5	
Sandy Lime	510.5 - 511.5	
Solid Sand	511.5 - 515.5	
Sandy Lime	515.5 – 518	
Solid Sand	518 - 520	
Sandy Lime	520 – 521	
Solid Sand	521 – 525	
Sandy Lime	525 – 526	
Laminated Sand	526 – 527	
Sandy Shale	527 - 528.5	
Sandy Lime	528.5 - 530	
Solid Sand	530 – 533	
Sandy Lime	533 – 534	
Sandy Shale	534 – 535	
Slightly laminated Sand	535 – 536.5	

Sandy Lime	536.5 – 538	
Solid Sand	538 – 539	
Lime and Shells	539 – 541	
Sand lamin. w/ Sandy Lime	541 – 542	
Lime and Shells	542 – 543	
Solid Sand	543 – 544.5	
Sandy Lime and Shells	544.5 – 547.5	
Sand and Shells	547.5 - 548.5	
Lime and Shells	548.5 – 552	
Solid Sand	552 – 553	
Lime and Shells	553 – 555.5	
Sand and Shells	555.5 – 559.5	
Lime and Shells	559.5 – 563.5	
Solid Sand	563.5 – 582.5	
Slightly laminated	582.5 – 583.5	
Shale and Shells	583.5 – 587.5	
Solid Sand	587.5 – 590.5	
Sand and Shells	590.5 – 591.5	
Solid Sand	591.5 – 593	
Lime	593 – 593.5	
Very laminated Sand	593.5 – 596	Base – Squirrel Sandstone
Shale (Slate 610 – 611)	596 – 616	Top – Verdigris
Lime	616 – 617	Ardmore Limestone
Shale (Slate 621 – 622)	617 – 650	Oakley Shale

Re: Closure Pressure

Attached is a reproduction from "Production Operations, Vol. 2" by Allen and Roberts describing the fracturing pressures in a reservoir.

The fracture propagation pressure is approximately the same as the closure pressure, although slightly higher. This difference is less significant in low pressure reservoirs such as the ones in the Cherokee Basin, consequently, they are considered to be the same. The fracture propagation pressure is the same as the instantaneous shut-in pressure (ISIP) experienced upon cessation of a hydraulic fracture treatment. The ISIP from a fracture procedure is the surface pressure measurement. Bottom-hole ISIP must be calculated by adding the surface ISIP and the product of the depth to mid-perforations (feet) and the pressure gradient of the fluid in the wellbore (psi/foot). For fresh water the fluid gradient is 0.434 psi/foot. Since the fluid in fracture operations is more dense than fresh water most engineers estimate the bottom-hole ISIP with a higher gradient. The state of Oklahoma uses a gradient of 0.50 psi/foot.

Utilizing ISIP's experienced at Belton, and a fresh water gradient of 0.434, the calculated bottom-hole ISIPs are:

WELL	DEPTH TO MID-PERF	ISIP (Surface)	ISIP (Perfs)
R32	626	400	672
R32	585	350	604
R31	600	400	660
R31	552	350	640
R47	620	325	594
AD20	536	400	633
AD20	582.5	400	653
AD9-2	610	400	665
AD9-2	507	400	620
AD16-	2 544	400	636

The fracture propagation pressure is the pressure in which the aperture of the existing fractures can begin to be opened. An increase in injection rate is noted at this point on injection step-rate tests. At injection pressures at, or slightly above, the ISIP, the fractures in the immediate vicinity of the wellbore (inches) may be affected but not into the reservoir significantly. In actual injection operations of a waterflood at ISIP, fractures wouldn't be created beyond the region adjacent to the wellbore because of; 1) fluid leak-off into the formation, 2) the injection of a low viscosity fluid, and 3) the extremely low injection rates - far less than what is necessary to create a fracture.

minimum stress at the borehole, and must also overcome the tensile strength of the rock. This can be expressed as follows:

$$(P_i)_{\nu} = 3 \, \tilde{\sigma}_{h_2} - \tilde{\sigma}_{h_1} + S_h + P$$
 (5)

where:

(P_i), = borehole pressure required to initiate vertical fracture

 $\tilde{\sigma}_{h_1}$ = maximum principal horizontal matrix stress

 S_h = horizontal tensile strength of rock

P = formation pore pressure

Penetrating Fluid Reduces Breakdown Pressure— A penetrating fluid increases the area over which pressurized fluid contacts the formation and can reduce the pressure necessary to initiate fracturing.

Laboratory and theoretical work by Fairhurst and Haimson²¹ provides a basis for estimation of the magnitude of reduction in openhole. Generally reduction may be on the order of 25 to 40% in openhole.

Perforation Density and Orientation—Recent laboratory work in cased hole shows that breakdown or frac initiation pressure is affected by the number and arrangement of perforations.²⁵

The existence of casing and the arrangement of perforations have little effect on created fracture orientation, but breakdown pressure is reduced by increased number of perforations. The practice of perforating with all shots in a vertical line on one side of the casing, Figure 8-6 significantly increases

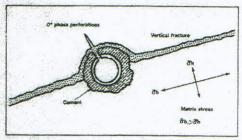


FIG. 8-6—Orientation of perforation vs. least horizontal matrix stress. Condition resulting in highest breakdown pressure.

breakdown pressure if the perforations happen to be oriented 90° to the azimuth of the vertical fracture plane. Orientation of perforations does not affect azimuth of the vertical fracture however.

Fracture Propagation

Once the fracture has been created and invaded by pressured fluid, the stress concentration near the wellbore is reduced, and the hydraulic pressure required to extend the fracture must merely overcome the component of the undisturbed stress field normal to the plane of the fracture.

Measuring Propagation Pressure and Frac Gradient—The fracture propagation pressure (and frac gradient) can be obtained during the fracing operation by recording the wellhead pressure immediately after the pumps are shut down following injection into the fracture (Figure 8-7). Since the frac gradient is increased by increased pore pressure, this measurement should be made before the pore pressure is significantly raised by the injected frac fluid.

Wellhead instantaneous shut-in pressure, corrected to the hole bottom by adding the hydrostatic pressure of the wellbore fluid column, is the fracture propagation pressure. Fracture gradient is the fracture propagation pressure divided by the formation depth.

Measuring Rock Matrix Stress—The minimum horizontal rock matrix stress is then:

 $\bar{\sigma}_{h_i}$ = propagation pressure - pore pressure

This stress is of particular interest because it is the stress which propping agents must withstand in order to hold the fracture open. In actual practice pore pressure can be equated to static reservoir pressure provided fracture propagation pressure is measured before significant frac fluid is injected to raise the pore pressure level near the wellbore.

It should be noted that proppant in the critical area near the wellbore is subjected to more stress than that further away due to lower pore pressure near the wellbore in the producing process, Figure 8-8. This effect may be significant at high drawdown pressures.

Fracture Orientation

Fracture Propagates Perpendicular to Smallest Stress-Rocks fracture in a plane perpendicular to Belton Unit, Cass County, Missouri

Re: Injection Volumes

Injection volumes are determined by using analogy from previous squirrel sandstone water floods that contain similar reservoir characteristics. In the case of the Belton Unit we plan to inject 1 barrel of water for every 1 net foot of oil bearing sandstone. (assuming this rate does not exceed the maximum approved injection pressure) Depending on the duration and impact of the surrounding wells some injection wells may ultimately inject 3 barrels of water for every 1 net foot of oil bearing sandstone.

Due to the permeability variance of the reservoir we typically will not exceed 15' of perforations per injection well.

Example;

Year 1

15' perforations x 1 bbl/ft = 15 BPD injection rate

Year 2

15' perforations x 2 bbls/ft = 30 BPD injection rate

Year 3

15' perforations x 3 bbls/ft = 45 BPD injection rate

We typically do not exceed 3 bbls/ft injection rate, which is why we are requesting only 50 BPD rate.

INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

completion of information, detailing the cement, casing, and subsurface casing information.

LEASE	WELL	LOCATION	OWNER	DEPTH	TYPE	DATE	DATE	CONSTRUCTION
Belton Unit		569_ FROM (M)(S) SEC LINE 2412 FROM (E) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D.	619'	0	04/08/1999	04/13/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-2	1484 FROM (10) S) SEC LINE 1424 FROM (E) (10) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	600'	0	06/04/1999	06/10/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-3	2433 FROM (E) (W) SEC LINE 2433 FROM (E) (W) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	665'	0	02/29/2000	03/02/0200	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-4	\$2 52 FROM(18) SEC LINE 2013 FROM (18) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	680'	0	03/02/2000	03/07/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-5		K.R.E.D	639'	0	04/23/2000	04/25/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-6	2840 FROM (E) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	608'	0	04/27/2000	04/28/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-7	201 FROM (S) SEC LINE 201 FROM (E) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	646'	0	05/01/2000	05/02/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-8	SEC. 16 T. 46 N.R. 33W	K.R.E.D	655'	0	05/05/2000	05/08/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-9	SEC. 16 T. 46 N.R. 33W	K.R.E.D	651'	0	05/03/2000	05/05/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
100								

INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

completion of information, detailing the cement, casing, and subsurface casing information.

MO 780-1136 (02-11)	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	LEASE				
2-11)	nit R-18	nit R-17	nit R-16	nit R-15	nit R-14	nit R-13	Init R-12	Jnit R-11	Jnit R-10	NO.
		1	6 2548 SEC. 16	5 SEC 53						1
	SEC. 16 T. 46 N.R. 33W	SEC. 16 T. 46 N.R. 33W	SEC. 16 T 46 N.R. 33W	5/3 FROM (V)(S) SEC LINE 5/35 FROM (E)(M)SEC LINE SEC. 16 T. 46 N.R. 33W	174 FROM (NS) SEC LINE 33-30 FROM (E) (M) SEC LINE SEC. 16 T.46 N.R. 33W	983 FROM (E)(10) SEC LINE SEC. 16 T. 46 N.R. 33W	SEC. 16 T. 46 N.R. 33W	SEC. 16 T. 46 N.R. 33W	SEC. 16 T. 46 N.R. 33W	LOCATION
	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D.	OWNER
	914.5'	686'	652.5'	621'	637'	620'	642'	626'	627'	DEPTH
	0	0	0	0	0	0	0	0	0	TYPE
	01/07/2004	01/29/2004	10/13/2003	12/15/2000	09/17/2001	05/22/2000	05/16/2000	05/10/2000	05/15/2000	DATE SPUDDED
	01/09/2004	01/30/2004	10/15/2003	12/20/2000	09/19/2001	05/24/2000	05/18/2000	05/12/2000	05/16/2000	DATE COMPLETED
	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	CONSTRUCTION

INSTRUCTIONS

T A O T	WELL				(
LENGE	NO.	LOCATION	OWNER	DEPTH	TYPE	SPUDDED	DATE	CONSTRUCTION
Belton Unit	R-19	2010FROM (E) SEC LINE	K.R.E.D.	621.5	0	02/12/2004	02/13/2004	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-20	R-20 FROM (N) SEC LINE R-20 FROM (E) W) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	661'	0	01/18/2008	01/22/2008	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-21	5700 FROM (N)SS SEC LINE 2045 FROM (Byw) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	635'	0	01/14/2008	01/16/2008	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-22	SEC. 16 T. 46 N.R. 33W	K.R.E.D	660'	0	12/04/2008	NA	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-23	SEC. 16 T.46 N.R. 33W	K.R.E.D	660'	0	C	C/X	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-24	2495 FROM (18) SEC LINE 2495 FROM (19) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	658'	0	01/25/2008	ZP	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-25	16	K.R.E.D	660'	0	U	て/ア	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R -1	368 FROM (B)(S) SEC LINE SEC. 16 T.46 NR 33W	K.R.E.D	623'	Jugged	07/26/2000	08/31/2000	4 1/2" casing comented to surface Plugged 6 37 7 7 5 5 well to
Belton Unit	RI-2	795 FROM (NS) SEC LINE 1053 FROM (E) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	627'	-	C		4 1/2" casing cemented to surface

INSTRUCTIONS

the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

MO 780-1136 (02-11 Belton Unit Belton Unit Belton Unit Belton Unit completion of information, detailing the cement, casing, and subsurface casing information. Belton Unit Belton Unit Belton Unit Belton Unit Belton Unit WSW-13521 FROM (EW) SEC LINE **RW-9** RW-8 **RW-7** C-18 WELL NO. RI-6 RI-5 RI-4 RI-3 THY FROM (E) SEC LINE 3505 FROM (N)(S) SEC LINE 3115 FROM (E) SEC LINE A187 FROM (E) SEC LINE SEC. 16 FROM (E) (S) SEC LINE SEC. 16 T. 46 N.R. 33W 110 FROM (N)(S) SEC LINE ALTUFROM (E) WSEC LINE 77 FROM (N/S) SEC LINE SEC. 16 T. 46 N.R. 33W SEC. 16 SEC. 16 T. 46 N.R. 33W 790 FROM (NS) SEC LINE 16 FROM (S) SEC LINE FROM (N(S) SEC LINE FROM (N)(S) SEC LINE T. 46 N.R. 33W T. 46 N.R. 33W T. 46 N.R. 33W T. 46 N.R. 33W LOCATION N.R. 33W N.R. 33W K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D OWNER 647.5 641.5 638 571' DEPTH 891' 644 637 641 635 Plugged TYPE 5 01/13/2004 02/10/2004 02/12/2004 04/16/2001 08/25/2000 SPUDDED C C 01/15/2004 02/13/2004 02/11/2004 DATE 04/14/2001 08/29/2000 C いいいない 4 1/2" casing cemented to surface Squeezed 1/2" casing cemented to surface 1/2" casing cemented to surface 1/2" casing cemented to surface CONSTRUCTION

INSTRUCTIONS

MO 780-1136 (02-11)	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	LEASE
	AD-3	AD-2	AD-1	RW-19	RW-16	RW-15	RW-13	RW-11	RW-10	WELL NO.
	#12 FROM (N S)SEC LINE ### SEC. 9 T. 46 N.R. 33W	220 FROM (N(3) SEC LINE 2000 FROM (E) W) SEC LINE SEC. 9 T. 46 N.R. 33W	220 FROM (NO BEC LINE A 120 FROM (E)W) SEC LINE SEC. 9 T. 46 N.R. 33W	RW-19 825 FROM (N/S) SEC LINE SEC. 16 T. 46 N.R. 33W	RW-16 575 FROM (N) SEC LINE SEC, 16 T. 46 N.R. 33W	RW-15 26 FROM (N) SEC LINE RW-15 26 FROM (B) (W) SEC LINE SEC. 16 T. 46 N.R. 33W	RW-13 16-12 FROM (E) (A) SEC LINE SEC. 16 T. 46 N.R. 33W	RW-11 8342 FROM (E)(10 SEC LINE SEC. 16 T. 46 N.R. 33W	RW-10 FROM (E) SEC LINE RW-10 FROM (E) SEC LINE SEC 16 T.46 N.R. 33W	LOCATION
	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D.	OWNER
	637'	657'	615'	661'	660'	660'	697'	652'	678'	DEPTH
	0	0	0		_	-	-	-	-	TYPE
	08/31/1987	12/06/2007	12/03/2007	12/08/2008	12/02/2008	11/26/2008	02/06/2004	02/04/2004	02/02/2004	DATE SPUDDED
	U	12/10/2007	01/04/2008	7/R	NA	4/14	02/09/2004	02/06/2004	02/03/2004	DATE COMPLETED
	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface	4 1/2" casing cemented to surface	4 1/2" casing cemented to surface	4 1/2" casing cemented to surface	4 1/2" casing cemented to surface	4 1/2" casing cemented to surface	CONSTRUCTION

INSTRUCTIONS

LEASE	NO.	ı	OWNER	DEPTH	TYPE	SPUDDED	COMPLETED	CONSTRUCTION
Belton Unit	AD-4	\otimes	K.R.E.D.	666'	0	07/14/1987	07/16/1987	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	AD-5	220 FROM (N) SEC LINE	K.R.E.D	679'	0	06/21/1987	06/25/1987	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	AD-6	2184 FROM (N)SSEC LINE S184 FROM (E) SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	708'	0	01/31/2008	02/19/2008	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	AD-7	FROM (NOS) FROM (EXO)	K.R.E.D	630'	0	12/12/2007	12/14/2007	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	AD-8	630 FROM (N) SSEC LINE 3401 FROM (E) W SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	622'	0	05/14/1999	05/27/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	AD-9	3835 FROM (NG)SEC LINE (NG)SEC LINE (NG)SEC LINE (NG)SEC LINE (NG)SEC. 9 T. 46 N.R. 33W	K.R.E.D	662'	Plugged	08/25/1987	14861	4 1/2" casing cemented to surface Squeezed cement into formation to surface on 04/04/2012
Belton Unit	AD-10	423 FROM (N/S)SEC LINE 423 FROM (E) (M) SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	659'	0	05/25/1987	07/21/1987	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	AD-11	621 FROM (N)(S)SEC LINE 4786-FROM (E)(W)SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	665'	Plugged	+361	1881 U	4 1/2" casing cemented to surface Squeezed cement into formation to surface on 03/19/2012
	AD-12	AD-12 380 FROM (E) (W) BEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	710'	0	01/23/2008	02/26/2008	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
MO 780-1136 (02-11)				1				

INSTRUCTIONS

	-		_	_						
	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	LEASE
	AD-23	AD-22	AD-21	AD-18	AD-17	AD-16	AD-15	AD-14	AD-13	WELL NO.
SEC. 9 T. 46 N.R. 33W		1212 FROM (N) SEC LINE 1212 FROM (E) SEC LINE SEC. 9 T. 46 N.R. 33W	3 5 FROM (N)(6) BEC LINE 3 10 FROM (E) SEC LINE SEC. 9 T. 46 N.R. 33W	300 FROM (N(S) SEC LINE 300 FROM (B)(W) SEC LINE SEC. 9 T. 46 N.R. 33W	AD-17 (P) FROM (N) SEC LINE (N) SEC. 9 T. 46 N.R. 33W	AD-16 42785FROM (E) SEC LINE SEC. 9 T. 46 N.R. 33W	210 FROM (N) SEC LINE 3507 FROM (E) SEC LINE SEC. 9 T. 46 N.R. 33W	AD-14 3405 FROM (N) SEC LINE SEC. 9 T. 46 N.R. 33W	AD-13 2420 FROM (N(S)SEC LINE SEC. 9 T. 46 N.R. 33W	LOCATION
	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D.	OWNER
	644'	650'	656'	676.5'	647'	666'	617'	609'	700'	DEPTH
	0	0	0	0	0	Plugged	0	0	Plugged	TYPE
	09/09/2003	06/13/1999	09/11/2003	01/02/2008	2	07/23/1987	11/13/1989	04/21/1999	12/21/2007	DATE SPUDDED
	09/11/2003	06/18/1999	09/12/2003	02/26/2008	C	1-1987 U-1987	11/14/1989	05/13/1999	て/ア	DATE COMPLETED
	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface Squeezed cement into formation to surface on 04/04/2012	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	Cemented from bottom to top on 12/27/2007	CONSTRUCTION

INSTRUCTIONS

				Ç		0			
	LEASE	WELL NO.	LOCATION	OWNER	DEPTH	TYPE	DATE SPUDDED	DATE COMPLETED	CONSTRUCTION
	Belton Unit	AD-24	FROM (N) SSEC LINE 300 FROM (B) (W) SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D.	672.5	0	12/27/2007	02/06/2008	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
	Belton Unit	AD-28	414 FROM (N/S)SEC LINE 4145 FROM (E) (M) BEC LINE SEC 9 T. 46 N.R. 33W	K.R.E.D	629'	0	07/08/1999	07/14/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
	Belton Unit	AD-29	HIGHTOM (N) SSEC LINE HIGHTON (E) SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	625'	0	06/18/1999	07/07/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
	Belton Unit	ADI-18	17 57 FROM (N.G) SEC LINE 1803-ROM (E) (M) SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	651.5'	-	10/09/2003	10/10/2003	4 1/2" casing cemented to surface
	Belton Unit	ADI-19	1754 FROM (N/Q) SEC LINE 1427 FROM (E)(10) SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	654.5'	_	10/07/2003	10/08/2003	4 1/2" casing cemented to surface
	Belton Unit	ADI-24	ADI-24 3(62) FROM (N)(8) SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	662'	_	09/16/2003	09/17/2003	4 1/2" casing cemented to surface
	Belton Unit	ADI-25	FROM (N) SEC LINE FROM (E) SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	651.5'	_	09/12/2003	09/15/2003	4 1/2" casing cemented to surface
	Belton Unit	ADI-26	SEC. 9 T. 46 N.R. 33W	K.R.E.D	650.5'	_	09/17/2003	09/19/2003	4 1/2" casing cemented to surface
<		ADI-27	580 FROM (B)(W) SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	674.1'	_	01/04/2008	04/16/2008	4 1/2" casing cemented to surface
2	MO /80-1136 (02-11)								

INSTRUCTIONS

W.E.	MELL School Scho	casing, and s	upsullac	e casilly	ווטווומנוטוו.		
LEASE WELL NO.	LOCATION	OWNER	DEPTH	TYPE	SPUDDED	COMPLETED	CONSTRUCTION
Belton Unit ADI-	ADI-30 FROM (B)(W) SEC LINE	K.R.E.D.	627.7'	-	12/19/2007	04/16/2008	4 1/2" casing cemented to surface
	SEC. 9 T. 46 N.R. 33W						
Belton Unit ADI-	ADI-31 360 FROM (E) SEC LINE	K.R.E.D	633'	-	05/27/1999	06/04/1999	4 1/2" casing cemented to surface
	SEC. 9 T. 46 N.R. 33W						
	871 FROM (N) S SEC LINE						4 1/2" casing cemented to surface
Belton Unit ADI-32	32 TO SH FROM (E) SEC LINE	K.R.E.D	649'	-	<u>ر</u>	C	The county contained to outline
	SEC. 9 T. 46 N.R. 33W				,	(
Belton Unit ADI-3	ADI-33 FROM (E) (E) SEC LINE	Z D D	642	-		_	4 1/2" casing cemented to surface
	SEC. 9 T. 46 N.R. 33W			-	<	(
Belton Unit ADI-34	879 FROM (N) SEC LINE 1871 FROM (E) SEC LINE	K.R.E.D	663	_	<		4 1/2" casing cemented to surface
	SEC. 9 T. 46 N.R. 33W				•	(
Belton Unit ADI-37	37 OFROM (N)(S) SEC LINE	K.R.E.D	618.2	-	12/13/2007	04/16/2008	4 1/2" casing cemented to surface
	SEC. 9 T. 46 N.R. 33W						
Belton Unit ADI-38	FROM (N) SEC LINE THE FROM (B)(W) SEC LINE	K.R.E.D	668.9'	· -)	12/17/2007	04/16/2008	4 1/2" casing cemented to surface
Belton Unit ADI-39	441 FROM (N) S	K.R.E.D	631'	-	=		4 1/2" casing cemented to surface
	SEC. 9 T. 46 N.R. 33W				<	(
Belton Unit ADI-40	441 FROM (N)(S) BEC LINE	X R F D	664				4 1/2" casing cemented to surface
	SEC. 9 T. 46 N.R. 33W			5	(,	
MO 780-1136 (02-11)							

INSTRUCTIONS

_		WELL				1	DATE	DATE	
_	LEASE	NO.	LOCATION	OWNER	DEPTH	TYPE	SPUDDED	COMPLETED	CONSTRUCTION
	Belton Unit	ADI-41	442 FROM (N) SEC LINE	K.R.E.D.	600' est	_			4 1/2" casing cemented to surface
,			SEC. 9 T. 46 N.R. 33W				((
			FROM (NS) SEC LINE						A 1/0" paging remented to surface
	Belton Unit	OH-1	AHOLOFROM (E)(SEC LINE	K.R.E.D	600' est	0	C	_	2 3/8" tubing 3/4" rods and insert pump
			SEC. 16 T. 46 N.R. 33W				((
			FROM (S) SEC LINE						4 1/2" casing comented to surface
	Belton Unit	OH-2	3051 FROM (E) SEC LINE	K.R.E.D	600' est	0	C	-	2 3/8" tubing 3/4" rods and insert pump
						(<	<	
_			SEC. 10 1. 40 N.R. 33VV				35		
	Belton Unit	OH-3	FROM (E)(SEC LINE	KRED	600' est	0	-	_	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
			SEC. 16 T. 46 N.R. 33W				<	(
	Relton Init		FROM (E)(M) SEC LINE	0	600' oct)			4 1/2" casing cemented to surface
			SEC. 16 T. 46 N.R. 33W				<	(
			833 FROM (S) SEC LINE						4 1/2" casing cemented to surface
	Belton Unit	OH-5	FROM (E) SEC LINE	K.R.E.D	600' est	0	_		2 3/8" tubing 3/4" rods and insert pump
_			SEC. 16 T. 46 N.R. 33W				<	<	
			919 FROM(N(S) SEC LINE						Scribezed cement into formation to surface
	Belton Unit	0H-6	STI 6-ROM (E) (SEC LINE	K.R.E.D	600' est	Plugged	_		Adheared cellicit life initiation to aniate
			SEC. 16 T. 46 N.R. 33W				,	<	
			753 FROM (N)(S) SEC LINE						Salleezed coment into formation to surface
	Belton Unit	OH-7	SEC LINE	K.R.E.D	600' est	Plugged	<	-	odnesten cellisii ilio idiliandi maniace
			SEC. 16 T. 46 N.R. 33W				<	<	
			138 FROM (N)(S) SEC LINE						Salipazed cament into formation to surface
	Belton Unit	0H-8	FROM (E)(W) SEC LINE	K.R.E.D	600 est	Plugged	-	<	Squeezed celleli ilio ioiliaioi to suitace
			SEC. 16 T. 46 N.R. 33W				<		
3	MO 780-1136 (02-11)								

INSTRUCTIONS

completion of information, detailing the cement, casing, and subsurface casing information. In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

	WEI		c			DATE	DATE	
LEASE	NO.	LOCATION	OWNER	DEPTH	TYPE	SPUDDED	COMPLETED	CONSTRUCTION
Belton Unit	0Н-9	604 FROM (N)(S) SEC LINE 5777 FROM (E) (M) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D.	600' est	Plugged	U	V	Squeezed cement into formation to surface
Belton Unit	UK-1	1300 FROM (N.S) SEC LINE 1300 FROM (E) W) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	C	Plugged	<u>_</u>	V	4 1/2" casing cemented to surface Squeezed cement into formation to surface on 04/17/2012
Belton Unit	UK-2	ROM (N)(S) ROM(B)(W)	K.R.E.D	C	Plugged	<u>ر</u>	C	4 1/2" casing cemented to surface Squeezed cement into formation to surface on 04/17/2012
Belton Unit	UK-3	33 FROM (N)(E) BEC LINE 120 FROM (E)W) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	C	0	C	C	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Clark-Berry	CB-1	2131 FROM (E)(4) SEC LINE 2131 FROM (E)(4) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	625'	0	03/22/1999	<u></u>	2 7/8" with 1" tubing and insert pump
Clark-Berry	CB-2	SEC. 16 T. 46 N.R. 33W	K.R.E.D	625'	0	C	<	2 7/8" with 1" tubing and insert pump
Clark-Berry	CB-3	FROM (N)(S) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	625'	0	03/25/1999	03/30/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Clark-Berry	CB-4	26.16 FROM (B) (S) SEC LINE 347.24 FROM (E) (6) BEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	619'	0	03/30/1999	04/02/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Clark-Berry	CBI-1	SEC. 16 T. 46 N.R. 33W	K.R.E.D	629'	-	03/22/1999	03/25/1999	4 1/2" casing cemented to surface
MO /80-1136 (02-11)								

INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other completion of information, detailing the cement, casing, and subsurface casing information. specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

MO 780-1136 (02-11) Clark-Berry LEASE CBI-2 SEC. SEC. SEC. 523 FROM (E)(W) SEC LINE SEC. 16 T. 46 N.R. 33W 348 FROM (N)(S) SEC LINE FROM (E)(W) SEC LINE FROM (N)(S) SEC LINE FROM (N)(S) SEC LINE FROM (E)(W) SEC LINE FROM (E)(W) SEC LINE FROM (N)(S) SEC LINE FROM (E)(W) SEC LINE FROM (N)(S) SEC LINE FROM (E)(W) SEC LINE FROM (N)(S) SEC LINE FROM (N)(S) SEC LINE FROM (E)(W) SEC LINE FROM (E)(W) SEC LINE FROM (N)(S) SEC LINE FROM (N)(S) SEC LINE FROM (E)(W) SEC LINE LOCATION N.R. N.R. N.R. N.R. N.R. N.R. N.R. K.R.E.D OWNER DEPTH 634' TYPE 04/02/1999 SPUDDED DATE 04/07/1999 4 1/2" casing cemented to surface CONSTRUCTION

INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other completion of information, detailing the cement, casing, and subsurface casing information. specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

MO 780-1136 (02-11) Belton Unit R-33 R-36 R-31 R-32 R-30 R-29 R-28 R-27 R-26 WELL NO. 7814 FROM (E)W) SEC LINE SEC. 16 FROM (DW) SEC LINE FROM (N)(6) SEC LINE 3818 FROM (D)(W) SEC LINE 3794 FROM ENW) SEC LINE SEC. 16 T. 46 N.R. 33V FROM (N) SEC LINE 353FROM (N)(6)SEC LINE FROM (N) SEC LINE FROM (E)(W) SEC LINE FROM (M) SEC LINE TKS JFROM (N)(6) SEC LINE FROM (N) SEC LINE 24 OF ROM (D) (W) SEC LINE SEC. 16 T. 46 N.R. 33W SEC. 16 T. 46 N.R. 33W Lb=16 FROM (B)(W) SEC LINE SEC. 16 T. 46 SEC. 16 FROM (N) SEC LINE SEC. 16 T. 46 SEC. 16 T. 46 N.R. 33W FROM (N) SEC LINE 00 FROM (N) S) SEC LINE 16 T. 46 N.R. 33W _ T. 46 LOCATION T. 46 N.R. 33W N.R. 33W N.R. 33W N.R. 33W N.R. 33W K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D DEPTH 681 643 750' 760' 700 750' 750 750 700' Plugged TYPE 0 0 0 0 0 0 0 0 04/02/2012 03/21/2012 03/14/2012 03/24/2012 04/06/2012 03/08/2012 03/27/2012 03/23/2012 04/10/2012 SPUDDED Squeezed cement from 643' to surface to plug well on 04/17/2012 DATE 04/30/2012 05/25/2012 04/27/2012 04/30/2012 05/10/2012 05/10/2012 733.5' of 4 1/2" casing cemented to surface 663' of 4 1/2" casing cemented to surface 740' of 4 1/2" casing cemented to surface 697' of 4 1/2" casing cemented to surface 656' of 2 7/8" casing cemented to surface 743' of 4 1/2" casing cemented to surface 740' of 4 1/2" casing cemented to surface 685' of 2 7/8" casing cemented to surface CONSTRUCTION

INSTRUCTIONS

		9	ouding, died o	about aco	Grasilia	casilig illiolitation.		
LEASE	NO.		OWNER	DEPTH	TYPE	SPUDDED	DATE	CONSTRUCTION
Belton Unit	R-41	R-41 3740 FROM (D(W) SEC LINE R-61 16 1 46 N.B. 33W	K.R.E.D	643'	0	06/12/2012 Not	Not	of 4 1/2" casing cemented to surface
Belton Unit	R-42	3 (2)	K.R.E.D	980'	0	06/06/2012		687' of 4 1/2" casing cemented to surface
		SEC. 16 T. 46 N.R. 33W					<	
Belton Unit	R-43	R-43 - 131 FROM (E)(W) SEC LINE	K.R.E.D	770'	0	05/09/2012	05/30/2012	740' of 4 1/2" casing cemented to surface
Belton Unit	R-44	3300 FROM (N)(S)SEC LINE R-44 3STOFROM (D)(W) SEC LINE	K.R.E.D	760'	0	05/11/2012	05/31/2012	727' of 4 1/2" casing cemented to surface
		SEC. 16 T. 46 N.R. 33W		9)			
Belton Unit	R-47	R-47 1583 FROM (EXW) SEC LINE	K.R.E.D.	760'	0	05/08/2012	06/01/2012	728' of 4 1/2" casing cemented to surface
		SEC. 16 T. 46 N.R. 33W						
Belton Unit	R-48	R-48 3587 FROM(E)(W) SEC LINE	K.R.E.D	770'	0	07/18/2012	Not	750' of 2 7/8" casing cemented to surface
		SEC. 16 T. 46 N.R. 33W					Complete	
Belton Unit	R-49	R-49 FROM (D)(W) SEC LINE	K.R.E.D.	730'	0	06/30/2012		718' of 2 7/8" casing cemented to surface
		SEC. 16 T. 46 N.R. 33W					_	
	1	FROM (N)(S) SEC LINE						700' of 4 1/2" casing cemented to surface
Belton Unit	R-51	R-51 CS TO FROM (EXW) SEC LINE	K.R.E.D.	730'	0	06/08/2012	-	de la companya de la
		SEC. 16 T. 46 N.R. 33W					9	
		FROM (N)(S) SEC LINE						
		FROM (E)(W) SEC LINE						
MO 780-1136 (02-11)		SECTN.R						
The second secon								

INSTRUCTIONS

Compionon		contained, accounting the content, casing, and subsulface casing information.	casily, alia	upsullac	Grasilia	ווטווומנוטו.		
LEASE	WELL NO.	LOCATION	OWNER	DEPTH	TYPE	DATE SPUDDED	DATE COMPLETED	CONSTRUCTION
Belton Unit	RW-22	HHOSFROM (N)(6) BEC LINE RW-22 1087 FROM (E)(M) SEC LINE	K.R.E.D.	730'	-	06/01/2012	29	696' of 2 7/8" casing cemented to surface
		SEC. 16 T. 46 N.R. 33W					COLMAIGIC	
Belton Unit	RW-23	RW-23 H33 FROM (D)(W) SEC LINE	K.R.E.D.	730'	_	05/22/2012	07/06/2012	691' of 2 7/8" casing cemented to surface
		SEC. 16 T. 46 N.R. 33W						
Belton Unit	RW-24	FROM (E) SEC LINE	K.R.E.D.	730'	=	05/30/2012	Not	565' of 2 7/8" casing cemented to surface
		SEC. 16 T. 46 N.R. 33W					MARKET	
Belton Unit	RW-25	RW-25 834 FROM (E)M) SEC LINE	K.R.E.D.	750'	_	05/18/2012	07/06/2012	711' of 2 7/8" casing cemented to surface
		SEC. 16 T. 46 N.R. 33W						
Belton Unit	RW-26	Y SFROM (E)W) SEC LINE	K.R.E.D.	730'	-	05/23/2012	07/17/2012	692' of 2 7/8" casing cemented to surface
		SEC. 16 T. 46 N.R. 33W						
Belton Unit	RW-27	FROM (P)(W) SEC LINE	K.R.E.D.	730'	-	05/29/2012	07/17/2012	682' of 2 7/8" casing cemented to surface
		SEC. 16 T. 46 N.R. 33W						
Belton Unit	RW-37	FROM (N)(S) SEC LINE RW-37 3208 FROM (E)(M) SEC LINE	K.R.E.D.	720'	_	05/14/2012	07/09/2012	695' of 2 7/8" casing cemented to surface
		SEC. 16 T. 46 N.R. 33W						
Belton Unit	RW-38	FIXE FROM (N)(SEC LINE RW-38 FROM (E)M) SEC LINE	K R F D	730'	-	07/03/20120	Not	687' of 2 7/8" casing cemented to surface
	1	SEC. 16 T. 46 N.R. 33W		0		0170012012	Somolo	(0
	o . n	FROM (N) & SEC LINE						686' of 2 7/8" casing cemented to surface
Belton Unit	RW-390	Š	K.R.E.D.	720'	-	05/16/2012	07/09/2012	
MO 780-1136 (02-11)		N.R. 3044						

INSTRUCTIONS

	TO WEST					SEC. 16 T. 46 N.R. 33W		
659' of 2 7/8" casing cemented to surface	5	06/30/2012	-	730'	K.R.E.D.	RW-50-41-VFROM (SW) SEC LINE	RW-5	Belton Unit
						SEC. 10 1.40 N.R. 33VV		
675' of 2 7/8" casing cemented to surface	07/17/2012	06/13/2012	_,	730'	K.R.E.D.	OM (N)	RW-4	Belton Unit
	4					SEC. 16 T. 46 N.R. 33W		
681' of 2 7/8" casing cemented to surface		07/13/2012	-	730'	K.R.E.D.	RW-48 FROM (N) SEC LINE		Belton Unit
						SEC. 16 T. 46 N.R. 33W		
689' of 2 7/8" casing cemented to surface		07/13/2012	_	730'	K.R.E.D.	RW-47 2713 FROM (B) W) SEC LINE		Belton Unit
						SEC. 16 T. 46 N.R. 33W		
687' of 2 7/8" casing cemented to surface		07/13/2012	-	730'	K.R.E.D.	RW-46 3184 FROM (N) SEC LINE		Belton Unit
						SEC. 16 T. 46 N.R. 33W		
684' of 2 7/8" casing cemented to surface		07/11/2012	_	730'	K.R.E.D.	RW-45 S173 FROM (D(W) SEC LINE		Belton Unit
	Hamo					SEC. 16 T. 46 N.R. 33W		
690' of 2 7/8" casing cemented to surface	Not	06/28/2012	-	730'	K.R.E.D.	RW-44318 S FROM (N)S) SEC LINE		Belton Unit
						SEC. 16 T. 46 N.R. 33W		
672' of 2 7/8" casing cemented to surface	07/17/2012	06/14/2012	_	700'	K.R.E.D.	RW-43 FROM (N)(N) SEC LINE		Belton Unit
	Jamplet					SEC. 16 T. 46 N.R. 33W		
687' of 2 7/8" casing cemented to surface	34	07/03/2012	_	730'	K.R.E.D.	RW-48 THOS FROM (E)W) SEC LINE		Belton Unit
CONSTRUCTION	COMPLETED	SPUDDED	TYPE	DEPTH	OWNER	NO. LOCATION	N	LEASE
		7					WE	ПАСП

INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

completion of information, detailing the cement, casing, and subsurface casing information.

						SEC. 9 T. 46 N.R. 33W		MO 780-1136 (02-11)
741' of 4 1/2" casing cemented to surface	07/04/2012	04/03/2012	0	760'	K.R.E.D.	1476FROM (E)(W) SEC LINE	AD-33	Belton Unit
745° of 4 1/2" casing cemented to surface	06/28/2012	04/06/2012	0	760'	K.R.E.D.	SEC. 9 T. 46 N.R. 33W	AD-32	Belton Unit
688' of 2 7/8" casing cemented to surface	Complete	04/12/2012	0	701'	K.R.E.D.	AD-31 3472 FROM (N) SEC LINE SEC. 9 T. 46 N.R. 33W	AD-31	Belton Unit
741' of 4 1/2" casing cemented to surface	06/13/2012	03/30/2012	0	760'	K.R.E.D.	SEC. 9 T. 46 N.R. 33W	AD-27	Belton Unit
745' of 4 1/2" casing cemented to surface	06/13/2012	04/05/2012	0	770'	K.R.E.D	1485 FROM (N)(S) SEC LINE 1400 FROM (B)(W) SEC LINE SEC. 9 T. 46 N.R. 33W	AD-26	Belton Unit
740' of 4 1/2" casing cemented to surface	06/11/2012	03/29/2012	0	760'	K.R.E.D		AD-20	Belton Unit
739' of 4 1/2" casing cemented to surface	04/27/2012	03/28/2012	0	760'	K.R.E.D.	AD16-2 D&L FROM (N)(S) SEC LINE SEC. 9 T. 46 N.R. 33W	AD16-2	Belton Unit
737' of 4 1/2" casing cemented to surface	04/27/2012	03/12/2012	0	750'	K.R.E.D.	AD11-2 THE FROM (N)(S)SEC LINE (M) SEC LINE (M) SEC LINE (M) SEC LINE (M) SEC LINE (M) SEC. 9 T. 46 N.R. 33W	AD11-2	Belton Unit
741' of 4 1/2" casing cemented to surface	05/07/2012	03/30/2012	0	760'	K.R.E.D.	(4,63 FROM (N)(D)SEC LINE (5100 FROM (E)(W) SEC LINE SEC. 9 T. 46 N.R. 33W	AD 9-2	Belton Unit
CONSTRUCTION	DATE	DATE SPUDDED	TYPE	DEPTH	OWNER	LOCATION	WELL NO.	LEASE
					(

INSTRUCTIONS

		9	casing, and a	doddiad	G casilly in	sabsarrace casing information.		
LEASE	NO.	LOCATION	OWNER	DEPTH	TYPE	DATE SPUDDED	DATE	CONSTRUCTION
Belton Unit	AD 3-1	AD 3-2 15H FROM (D(W) SEC LINE	K.R.E.D.	770'	0	06/15/2012	No+	713' of 4 1/2" casing cemented to surface
		SEC. 9 T. 46 N.R. 33W					Comptet	
		256 FROM (N) SEC LINE					_	70.11 6.1.1011
Belton Unit	AD 4-2	PROM (E)(W) SEC LINE	K.R.E.D.	770'	0	06/22/2012		724 of 4 1/2" casing cemented to surface
		SEC. 9 T. 46 N.R. 33W						
		FROM (N) SEC LINE						7041 - 6 4 4 1011 - :
Belton Unit	AD 5-2	FROM (S(W) SEC LINE	K.R.E.D.	770'	0	06/20/2012	-	/21 014 1/2 casing cemented to surface
		SEC. 9 T. 46 N.R. 33W			Ľ		4	
	- 4 1	FROM (N)(SEC LINE						686" of A 1/2" casing competed to surface
Belton Unit	AD-34	AD-34 PROM (1) (W) SEC LINE	K.R.E.D	700'	0	05/04/2012	07/09/2012	ooo or 4 1/2 casiiig ceriierilled to suridce
		SEC. 9 T. 46 N.R. 33W						
Belton Unit	ADI-42	ADI-42 FROM (N) SEC LINE		790'		07/40/00/0	Not	686' of 2 7/8" casing cemented to surface
		SEC 0 + 46 11 22W				011012012	(amort	
		EBOW (NIVE) SECTIONS					1	
		FROM (N)(S) SEC LINE						
		FROM (E)(W) SEC LINE						
		SECTN.R						
		FROM (N)(S) SEC LINE						
		FROM (E)(W) SEC LINE						
		SECTN.R						
		FROM (N)(S) SEC LINE						
		FROM (E)(W) SEC LINE						
		SECTN.R						
	,	FROM (N)(S) SEC LINE						
		FROM (E)(W) SEC LINE						
700 4400 100 440		SECTN.R						
MC 190-1130 (02-11)								

AFFIDAVIT OF PUBLICATION

(Space above for recording information)

OK

STATE OF MISSOURI COUNTY OF CASS

SS.

l, Janis Anslinger, being duly sworn according to law, state that I am the Classified Ad Manager of the Cass County Democrat-Missourian, a weekly newspaper of general circulation in the County of Cass, State of Missouri, where located; which newspaper has been admitted to the Post Office as periodical class matter in the City of Harrisonville, Missouri, the city of publication; which newspaper has been published regularly and consecutively for a period of three years and has a list of bonafide subscribers, voluntarily engaged as such who have paid or agreed to pay a stated price for a subscription for a definite period of time, and that such newspaper has complied with the provisions of Section 493.050, Revised Statutes of Missouri 2000, and Section 59.310, Revised Statutes of Missouri 2000. The affixed notice appeared in said newspaper in the following consecutive issues:

14 Insertion: Vol. <u>132</u>	No. 39 13	day of July	20_12
24 Insertion: Vol			
34 Insertion: Vol.			
42 Insertion: Vol	No	_ day of	_20
5ª Insertion: Vol.	. No	day of	_20

Subscribed and swom to before me 2012

JULIE M. HICKS
Notary Public, Notary Seal
State of Missouri
Cass County
Commission # 09727108
My Commission Expires June 12, 2013

directed within fifteen (15) days of this notice to the address below. Rolla, MO 65401 .O. Box 250

Written comments or requests for additional information regarding such wells should be

#RW-87 5,110' from S line/2,752' from E line, Section 16, Township 46N, Range 33W

#RW-89 4,250' from S line/2,728' from E line, Section 16, Township 46N, Range 33W #RW-88 4,252' from S line/3,171' from E line, Section 16, Township 46N, Range 33W

Missouri Oil & Gas Counci State Geologist

the following locations. Saltwater will be injected into the Squirrel Sandstone formation for an Enhanced Oil Recovery Project at 66210, has applied for 6 injection well permits to be drilled to an approximate depth of 650 feet. #RW-84 4,690' from S line/3,167' from E line, Section 16, Township 46N, Range 33W #RW-85 4,674' from S line/2,710' from E line, Section 16, Township 46N, Range 33W #RW-86 Kansas Resource Exploration & Development, LLC, 9393 W 110th St., Ste. 500, Overland Park, KS, 5,129' from S line/3,217' from E line, Section 16, Township 46N, Range 33W

MISSOURI Mechanical Integrity Test RECE



Test Date: 2/13/2013	3			FEB 2 2 2013
Address: 9393 W.	110th St. Park, Ka mer	Exploratio Ste. 500 ensas 66210	n & Deve	lopment, LLCs Cou
Lease: Belton Uni County: Cass	t	Well No.: Permit No.:	RW-87 20,996	
	TEST	ΓINFORMAT	ON	
Pressure X	Radioactive	Tracer Survey		Temperature Survey
	Run #1	Run #2	Run #3	Run #4
Start Time:	11:15			
End Time:	11:45			
Length of Test:	30min			
Initial Pressure (PSI):	510#			
Ending Pressure (PSI):	510#			
Pressure Change:	0			
Tresum ourniger [0			
Fluid Used For Test (water,	nitrogen, CO	2, etc.): <u>Air</u>		
Perforations: Not Perf	ed Yet			
Comments:				
Pressured Casing	up to 51	0		
The bottom of the tested zoo In signing the form below, integrity on the test date sho	t is certified th			
Operator, Contact	Person or Appr	roved Agent	_ <u>Co</u>	ntractor Title
FOR INTERNAL USE ONLY			Name of Street	
Results were: Satisfactory X	_ Not Satisfact	ory	Computer Upo	late: 🔀
State Agent: SAUER		Yes No X		